

<p>M: Course Objectives / Learning Outcomes</p> <p>The student will be able to:</p> <ol style="list-style-type: none"> 1) define information systems terms as used in current practice by information systems practitioners; 2) explain the relationship between information technology and information systems to the organization and to organizational goals; 3) explain the functions of systems analysis and design, and the roles and responsibilities of the systems analyst and the project manager; 4) describe current methods and approaches to information systems analysis and design; 5) use project planning methods and tools including PERT/CPM, Gantt, MS Project and a spreadsheet; 6) use analysis methodologies including data flow diagrams, entity-relationship diagrams, structure charts, data dictionaries, UML and various process definition methods; 7) explain the importance, the uses and the components of CASE; 8) describe the major phases and activities involved in the information system development process, and the corresponding outcomes and deliverables; 9) apply the systems development process in exercises and case studies, within an organizational context, using relevant techniques and methods; 10) complete a term project based on a case study, to reinforce the concepts, techniques and methods learned in the classroom; 11) work on a systems development team. 														
<p>N: Course Content</p> <ol style="list-style-type: none"> 1) Introduction to information systems concepts and the systems development life cycle process 2) Current and future trends in systems development methodologies, and overview of current techniques, approaches and tools 3) Systems development life cycle process within a business context, its organizational implications, and the roles of systems professionals 4) Preliminary investigation - problem definition and feasibility analysis 5) Requirements definition - techniques and approaches, both structured and object-oriented 6) Prototyping and rapid application development 7) Analysis and design of data 8) Analysis and design of processes 9) Analysis and design of interfaces 10) Systems reporting and documentation 11) Project planning, management and control 12) Systems construction, testing and implementation 13) Systems operation, support and security 														
<p>O: Methods of Instruction</p> <p>Delivery will be by lecture, case study, and assignments. Assignments will include a term project illustrative of professional practice in computer information systems.</p>														
<p>P: Textbooks and Materials to be Purchased by Students</p> <p>Shelly, Gary with Thomas J. Cashman and Harry J. Rosenblatt. Systems Analysis and Design. Latest Edition. Course Technology.</p>														
<p>Q: Means of Assessment</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 2px;">Assignments and Term Project (Minimum: 4)</td> <td style="text-align: right; padding: 2px;">20%-25%</td> </tr> <tr> <td style="padding: 2px;">Oral Presentation</td> <td style="text-align: right; padding: 2px;">5%</td> </tr> <tr> <td style="padding: 2px;">Participation</td> <td style="text-align: right; padding: 2px;">0% - 5%</td> </tr> <tr> <td style="padding: 2px;">Quizzes (minimum 2)</td> <td style="text-align: right; padding: 2px;">10%-20%</td> </tr> <tr> <td style="padding: 2px;">Midterm Examination</td> <td style="text-align: right; padding: 2px;">25%-30%</td> </tr> <tr> <td style="padding: 2px;">Final Examination</td> <td style="text-align: right; padding: 2px;"><u>25%-30%</u></td> </tr> <tr> <td style="padding: 2px;">Total</td> <td style="text-align: right; padding: 2px;"><u>100%</u></td> </tr> </table> <p style="margin-top: 10px;">Note: the total value of quizzes, midterm examination and final examination must be 70% or greater.</p>	Assignments and Term Project (Minimum: 4)	20%-25%	Oral Presentation	5%	Participation	0% - 5%	Quizzes (minimum 2)	10%-20%	Midterm Examination	25%-30%	Final Examination	<u>25%-30%</u>	Total	<u>100%</u>
Assignments and Term Project (Minimum: 4)	20%-25%													
Oral Presentation	5%													
Participation	0% - 5%													
Quizzes (minimum 2)	10%-20%													
Midterm Examination	25%-30%													
Final Examination	<u>25%-30%</u>													
Total	<u>100%</u>													

R: Prior Learning Assessment and Recognition: specify whether course is open for PLAR No
--

Course Designer(s): Sarah Stephens

Education Council / Curriculum Committee Representative

Dean: Rosilyn G. Coulson

Registrar: Trish Angus